

## ABSTRACT

Machines, methods and devices for separating hard material from soft material are disclosed. The machine includes a conduit and an inlet tube connected to the conduit for providing the conduit with hard and soft material. A separating apparatus is positioned at one end of the conduit. The separating apparatus comprises a wall having an interior side and an exterior side and a plurality of apertures through the wall, each aperture comprising an outer section and an inner section, the outer section having a first opening and the inner section having a plurality of second openings, wherein the second openings open from the interior side to the first opening and the first opening opens to the exterior side. A device is used for moving the hard and soft material along the conduit from the inlet tube to the screen end of the conduit so that soft material and a controlled amount of hard material are forced through the apertures in the separating apparatus.

15